

In the Drawings:

Applicant submits herewith Replacement sheet 1/2. The sheet replaces original sheet 1/4 and 2/4. Figs. 1 and 2 on Replacement Sheet 1/2 were labeled prior art. Reference numbers 18, 10 and 16 have been removed from Fig. 1. Reference number 10 has been removed from Fig. 2. Additionally, the coiling and internal structure shown in original Fig. 2 has been clarified. A marked sheet showing where the coiling and internal structure has been clarified, is attached to the action.

Replacement sheet 2/2 replaces original sheet 3/4. Each of the Figures have been formalized to show the lines with sharp representation. Additionally, reference numbers 30, 40, 42, 44 and 46 have been cancelled from Fig. 5.

Original sheet 4/4 having Figs. 6-8 have been cancelled. No new matter has been added.

The present communication responds to the Final Action mailed July 6, 2009.

Prior to the present communication, claims 1-7, 9-23 and 32 are pending. The present communication does not amend, cancel or add any new claims.

The present communication does not amend the Specification.

The present communication amends the Drawings with Replacement Sheets. The significance and scope of the amendments is explained in the section entitled In The Drawings.

The Remarks begin on page 4.

## REMARKS

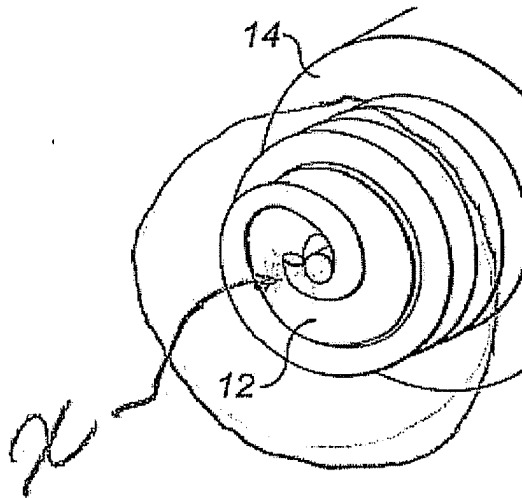
### Items 2-4, Drawings

Applicant has submitted Replacement Sheets 1/2 and 2/2 to replace the drawings on file. The Replacement Sheets address items 2-4 in the Action. The scope and content of changes in the Figures is explained in the section entitled In The Drawings. No new matter was added.

### Items 5-6 of Action, Claim Rejections §102(e)

The final action rejects claims 1-6, 10-13, 15, 23 and 32 as anticipated under 35 U.S.C. §102(e) by prior art Figs. 1-2. Applicant respectfully disagrees.

Prior art Figs. 1 and 2 do not disclose the limitation in claim 1 and 32 which reads a single homogeneous insulated wire forms both the coil and the central conductor. The term homogeneous recited in the claims means having a uniform structure. The term single means one. Thus, Applicant's recited claim limitation means that the coil and the conductor form one uniform structure. The prior art does not show a central conductor and coil which forms one uniform structure. The prior art as illustrated below shows two wires. Each wire can be seen below at the "X".



The prior art does not anticipate applicants claim limitation which requires one uniform structure. Accordingly, the rejection to claims 1 and 32 should be withdrawn.

The remaining rejected claims depend from claim 1 and are allowable for the same reasons as is claim 1.

Items 7-9 of Office Action, claim rejections 35 U.S.C. §103

Claims 7, 9, 14 and 16-22 are rejected as being obvious.

These claims all depend from claim 1. None of cited references at items 7-9 of the action are alleged to show a single homogeneous wire. These claims are allowable for the same reasons as is claim 1.

Applicant has addressed each of the objections and rejections in the Action. No new matter has been added. A Notice of Allowance should now issue.

Respectfully submitted,

**HUSCH BLACKWELL SANDERS LLP  
WELSH & KATZ, LTD.**

September 8, 2009

By: 

James B. Conte

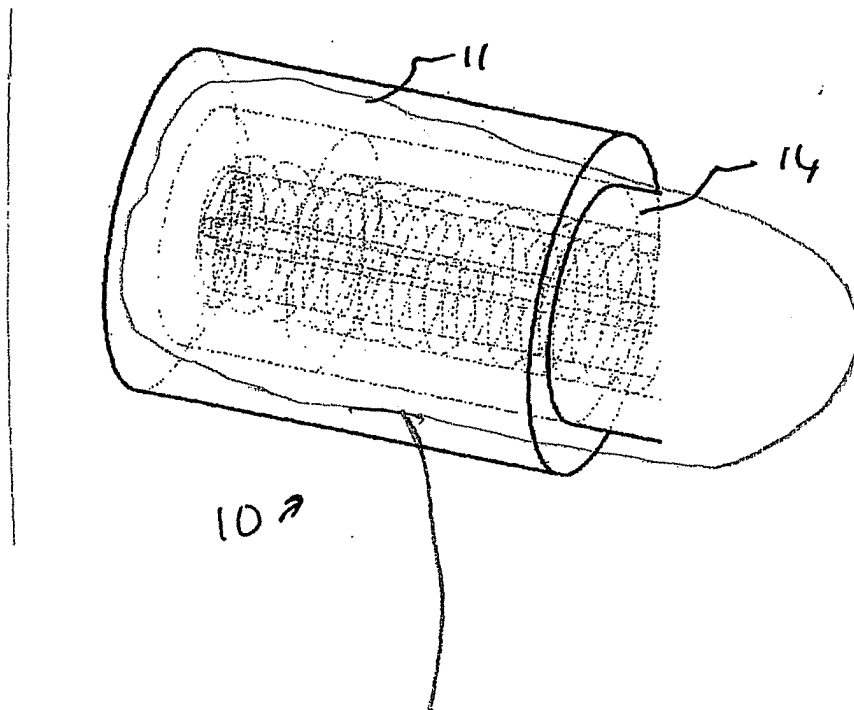
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# Marked Sheet

Fig 2.



item clarified